

Docket No.: MAS-FIN-101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : GUNTHER REISSIG
Filed : CONCURRENTLY HEREWITH
Title : METHOD FOR PROVIDING ERROR INFORMATION RELATING
TO INCONSISTENCIES IN A SYSTEM OF DIFFERENTIAL
EQUATIONS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.98 copies of the following patents and/or publications are submitted herewith:

U.S. Patent No. 6,230,101 B1 (Wallis), dated May 8, 2001;

U.S. Patent No. 6,192,328 B1 (Kahlert et al.), dated February 20, 2001;

Patent Abstracts of Japan 09044473 A (Makoto et al.), dated February 14, 1997;

Patent Abstracts of Japan 01307868 A (Masato et al.), dated December 12, 1989;

PCT WO 99/48030 (Denk et al.), dated September 23, 1999;

Chowdry, S. et al.: "Automatic Structure Analysis of Large Scale Differential Algebraic Systems", IEEE, 2001, pp. 798-803;

Unger, J. et al.: "Structural Analysis of Differential-Algebraic Equation Systems-Theory and Applications", Computers chem. Engng., 1995, pp. 867-882;

Reissig, G. et al.: "Differential-Algebraic Equations of Index 1 May Have an Arbitrarily High Structural Index", SIAM J. SCI. COMPUT., Vol. 21, No. 6, 2000, pp. 1987-1990;

Lawler, E.: "Combinatorial Optimization, Networks and Matroids", Dover Publications, Inc., 1976, front page, iii, and pp. 192-195;

Duff, I. S. et al.: "On Algorithms for Obtaining a Maximum Transversal", ACM Transactions on Mathematical Software, Vol. 7, No. 3, September 1981, pp. 315-330;

Pantelides, C. C.: "The Consistent Initialization of Differential-Algebraic Systems", SIAM. J. SCI. STAT. COMPUT., Vol. 9, No. 2, March 1988, pp. 213-231;

Schultz: "Programm-Dokumentation TITAN-02, Topologie-Test und Row-Swapping Programm-Modul TOPCHK" [Program Documentation TITAN-02, Topology Test and Row Swapping Program Module TOPCHK], Siemens AG ZTI DES 251, July 1988, front page, I, and pp. 1-15;

Röbenack, K. et al.: „Sukzessive Index-Reduktion elektrischer Netzwerke mit Hilfe einer minimalen Anzahl von Zusatzelementen“ [Gradual Index Reduction of Electrical Networks with Support of a Minimal Amount of Additional Elements], Gens, W. (ed.), 43rd International Scientific Colloquium, Technical University of Ilmenau, Vol. 3, September 21-24, 1998, pp. 192-197;

Reißig, G.: "Extension of the Normal Tree Method", International Journal of Circuit Theory and Applications, Vol. 27, Revised Version, 1999, pp. 241-266;

Feldmann, U. et al.: "Lösbarkeitstest mit Hilfe eines gesonderten Gleichungssystems" [Solubility Test with Help of a Separated System of Equations], Infineon Technologies, MP PTS, January 13, 2000, pp. 1-4;

Christen, E. et al.: "Analog and Mixed-Signal Modeling Using the VHDL-AMS Language", 36th Design Automation Conference, VHDL-AMS Tutorial, June 21-25, 1999, pp. 1-198;

International Search Report, dated February 17, 2003.

If no translation of pertinent portions of any foreign language patents or publications mentioned above is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the applicant. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned U.S. patents and U.S. patent application publications are submitted for any application filed after June 30, 2003.

Respectfully submitted,



For Applicant

WERNER H. STEMER
REG. NO. 34,956

Date: November 26, 2003

Lerner and Greenberg, P.A.
Post Office Box 2480
Hollywood, FL 33022-2480
Tel: (954) 925-1100
Fax: (954) 925-1101

/kf

FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: MAS-FIN-101 Appl. No.: <hr/> Applicant: GUNTHER REISSIG <hr/> Filing Date: November 26, 2003 Group Art Unit:			
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A	6,230,101 B1	5/8/01	Wallis			
	B	6,192,328 B1	2/20/01	Kahlert et al.			
	C						
	D						
	E						
	F						
	G						
	H						
	I						
FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J	09044473 A	2/14/97	Japan			
	K	01307868 A	12/12/89	Japan			
	L	99/48030	9/23/99	WIPO			
	M						
	N						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		Chowdry, S. et al.: "Automatic Structure Analysis of Large Scale Differential Algebraic Systems", IEEE, 2001, pp. 798-803					
		Unger, J. et al.: Structural Analysis of Differential-Algebraic Equation Systems-Theory and Applications", Computers chem.Engng., 1995, pp. 867-882					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: MAS-FIN-101 Appl. No.: <hr/> Applicant: GUNTHER REISSIG <hr/> Filing Date: November 26, 2003 Group Art Unit:			
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J						
	K						
	L						
	M						
	N						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		Reissig, G. et al.: "Differential-Algebraic Equations of Index 1 May Have an Arbitrarily High Structural Index", SIAM J. SCI. COMPUT., Vol. 21, No. 6, 2000, pp. 1987-1990					
		Lawler, E.: "Combinatorial Optimization, Networks and Matroids", Dover Publications, Inc., 1976, front page, iii, and pp. 192-195					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: MAS-FIN-101 Appl. No.: _____ Applicant: GUNTHER REISSIG Filing Date: November 26, 2003 Group Art Unit: _____			
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J						
	K						
	L						
	M						
	N						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		Duff, I. S. et al.: "On Algorithms for Obtaining a Maximum Transversal", ACM Transactions on Mathematical Software, Vol. 7, No. 3, September 1981, pp. 315-330					
		Pantelides, C. C.: "The Consistent Initialization of Differential-Algebraic Systems", SIAM. J. SCI. STAT. COMPUT., Vol. 9, No. 2, March 1988, pp. 213-231;					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: MAS-FIN-101 Appl. No.: <hr/> Applicant: GUNTHER REISSIG <hr/> Filing Date: November 26, 2003 Group Art Unit:			
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J						
	K						
	L						
	M						
	N						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		Schultz: "Programm-Dokumentation TITAN-02, Topologie-Test und Row-Swapping Programm-Modul TOPCHK" [Program Documentation TITAN-02, Topology Test and Row Swapping Program Module TOPCHK], Siemens AG ZTI DES 251, July 1988, front page, I, and pp. 1-15					
		Röbenack, K. et al.: „Sukzessive Index-Reduktion elektrischer Netzwerke mit Hilfe einer minimalen Anzahl von Zusatzelementen" [Gradual Index Reduction of Electrical Networks with Support of a Minimal Amount of Additional Elements], Gens, W. (ed.), 43 rd International Scientific Colloquium, Technical University of Ilmenau, Vol. 3, September 21-24, 1998, pp. 192-197					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: MAS-FIN-101 Appl. No.: <hr/> Applicant: GUNTHER REISSIG <hr/> Filing Date: November 26, 2003 Group Art Unit:			
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J						
	K						
	L						
	M						
	N						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		Reißig, G.: "Extension of the Normal Tree Method", International Journal of Circuit Theory and Applications, Vol. 27, Revised Version, 1999, pp. 241-266					
		Feldmann, U. et al.: "Lösbarkeitstest mit Hilfe eines gesonderten Gleichungssystems" [Solubility Test with Help of a Separated System of Equations], Infineon Technologies, MP PTS, January 13, 2000, pp. 1-4					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				Attorney Docket No.: MAS-FIN-101 Appl. No.: _____ Applicant: GUNTHER REISSIG Filing Date: November 26, 2003 Group Art Unit: _____			
EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
FOREIGN PATENT DOCUMENT							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J						
	K						
	L						
	M						
	N						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		Christen, E. et al.: "Analog and Mixed-Signal Modeling Using the VHDL-AMS Language", 36 th Design Automation Conference, VHDL-AMS Tutorial, June 21-25, 1999, pp. 1-198					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							